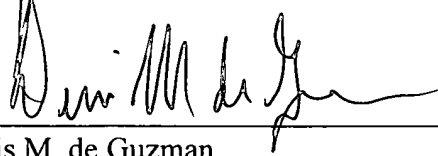


A fee of \$180 is submitted in accordance with 37 CFR 1.97(c). The Director is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC



Dennis M. de Guzman
Registration No. 41,702

DVC:lcs

Enclosures:

Check

Fifth Supplemental Information Disclosure Statement

Cited References (45)

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

819071_I.DOC



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 890050.436	APPLICATION NO. 10/637,407
	APPLICANTS Masaki Aoshima et al.	
	FILING DATE August 7, 2003	GROUP ART UNIT 1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,185,733	02/09/93	Finkelstein et al.	369	54	
	AB	5,328,813	07/12/94	Strandjord et al.	430	321	
	AC	5,511,057	04/23/96	Holtslag et al.	369	94	
	AD	5,560,998	10/01/96	Oyamatsu et al.	428	694 ML	
	AE	5,583,643	12/10/96	Gass et al.	356	445	
	AF	5,818,808	10/06/98	Takada et al.	369	116	
	AG	5,875,169	02/23/99	Hatwar	369	272	
	AH	5,949,747	09/07/99	Miyashita et al.	369	54	
	AI	5,958,649	09/28/99	Hirotsune et al.	430	270.13	
	AJ	6,187,406	02/13/01	Ichihara et al.	428	64.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	62-16193	01/24/87	JP (+ Abstract in English)		
	AL	62-28941	02/06/87	JP (+ Abstract in English)		
	AM	37 41 910 A1	06/23/88	DE (+ Abstract in English)		
	AN	63-299984	12/07/88	JP (+ Abstract in English)		
	AO	1-270528	10/27/89	JP (+ Abstract in English)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	Kikukawa, T., et al., "Rigid Bubble Pit Formation and Huge Signal Enhancement in Super-Resolution Near-Field Structure Disk with Platinum-oxide Layer," Applied Physics Letters 81(25):4697-4699.
	AQ	Kim, J., et al., "50nm Signal Writing and Retrieve by PtOx Type S-RENS Disk in Blue Laser Optical System," Extended Abstracts, 63rd Meeting The Japan Society of Applied Physics, Abstract No. 27a-YD-4, p. 1005, September 2002.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 890050.436	APPLICATION NO. 10/637,407
	APPLICANTS Masaki Aoshima et al.	
	FILING DATE August 7, 2003	GROUP ART UNIT 1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	6,221,455	04/24/01	Yasuda et al	428	64.1	
	BB	6,278,680	08/21/01	Miyauchi et al.	369	112.01	
	BC	6,404,712	06/11/02	Lee et al.	369	47.53	
	BD	6,404,713	06/11/02	Ueki	369	47.53	
	BE	6,416,837	07/09/02	Kojima et al.	428	64.1	
	BF	6,511,788	01/28/03	Yasuda et al.	430	270.13	
	BG	6,611,481	08/26/03	Koishi et al.	369	47.53	
	BH	6,660,451	12/09/03	Sakaue et al.	430	270.13	
	BI	6,670,014	12/30/03	Nishihara et al.	428	64.1	
	BJ	6,791,926	09/14/04	Furumiya et al.	369	53.13	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	BK	3-5929	01/11/91	JP (+ Abstract in English)		
	BL	3-49054	03/01/91	JP (+ Abstract in English)		
	BM	4-298389	10/22/92	JP (+ Abstract in English)		
	BN	5-159358	06/25/93	JP (+ Abstract in English)		
	BO	5-342631	12/24/93	JP (+ Abstract in English)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BP	Kim, J., et al., "Random Pattern Signal Characteristics of Super-RENS Disk at Blue Laser System," Technical Digest of Optical Data Storage Topical Meeting, pp. 273-275, 2004.
	BQ	Kim, J., et al., "Signal Characteristics of Super-RENS Disk at Blue Laser System," Technical Digest of International Symposium on Optical Memory, Fr-J-01:264-265, 2003.
	BR	Kim, J., et al., "Super-Resolution by Elliptical Bubble Formation with PtOx and AgInSbTe Layers," Applied Physics Letters, 83(9):1701-1703, September 1, 2003.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 890050.436	APPLICATION NO. 10/637,407
	APPLICANTS Masaki Aoshima et al.	
	FILING DATE August 7, 2003	GROUP ART UNIT 1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA	6,929,840	08/16/05	Hosoda et al.	428	64.1	
	CB	7,018,694	03/28/06	Hosoda et al.	428	64.1	
	CC	2001/0017833	08/30/01	Yamada et al.	369	59.11	
	CD	2001/0041304	11/15/01	Uno et al.	430	270.13	
	CE	2002/0168587	11/14/02	Sakaue et al.	430	270.13	
	CF	2003/0081523	05/01/03	Miyagawa et al.	369	59.11	
	CG	2003/0228539	12/11/03	Hosoda et al.	430	270.13	
	CH	2004/0013069	01/22/04	Uno et al.	369	59.11	
	CI	2004/0139459	07/15/04	Mishima et al.	720	718	
	CJ	2004/0174796	09/09/04	Mizushima et al.	369	94	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	CK	5-342635	12/24/93	JP (+ Abstract in English)		
	CL	6-243507	09/02/94	JP (+ Abstract in English)		
	CM	6-262854	09/20/94	JP (+ Abstract in English)		
	CN	6-274922	09/30/94	JP (+ Abstract in English)		
	CO	7-235465	09/05/95	JP (+ Abstract in English)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CP	Narumi, K. et al., "45GB Rewritable Dual-Layer Phase-Change Optical Disk With A Transmittance Balanced Structure", Technical Digest, International Symposium on Optical Memory 2001, Grand Hotel, Taipei, Taiwan, October 16-19, 2001, pages 202 & 203.
	CQ	Nikkei Electronics, May 12, 2003, pp. 119-133.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	890050.436	10/637,407
	APPLICANTS	
	Masaki Aoshima et al.	
	FILING DATE	GROUP ART UNIT
	August 7, 2003	1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA	2004/0190435	09/30/04	Hosoda et al.	369	283	
	DB	2005/0094526	05/05/05	Kakiuchi et al.	369	59.11	
	DC	2005/0243676	11/03/05	Kato et al.	369	59.11	
	DD	2006/0013111	01/19/06	Inoue et al.	369	125	
	DE						
	DF						
	DG						
	DH						
	DI						
	DJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	DK	8-124165	05/17/96	JP (+ Abstract in English)		
	DL	9-7176	01/10/97	JP (+ Abstract in English)		
	DM	2000-187842	07/04/00	JP (+ Abstract in English)		
	DN	2000-222764	08/11/00	JP (+ Abstract in English)		
	DO	2000-285509	10/13/00	JP (+ Abstract in English)		
	DP	2000-297365	10/24/00	JP (+ Abstract in English)		
	DQ	2001-222819	08/17/01	JP (+ Abstract in English)		
	DR	2001-322357	11/20/01	JP (+ Abstract in English)		
	DS	2001-344823	12/14/01	JP (+ Abstract in English)		
	DT	WO 02/29787 A1	04/11/02	WIPO		

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 890050.436	APPLICATION NO. 10/637,407
	APPLICANTS Masaki Aoshima et al.	
	FILING DATE August 7, 2003	GROUP ART UNIT 1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	EA						
	EB						
	EC						
	ED						
	EE						
	EF						
	EG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	EK	1 215 669 A2	06/19/02	EP		
	EL	1365108 A	08/21/02	CN (+ Abstract in English)		
	EM	2002-329348	11/15/02	JP (+ Abstract in English)		
	EN	2003-13201	01/15/03	JP (+ Abstract in English)		
	EO	2003-178448	06/27/03	JP (+ Abstract in English)		
	EP	2003-260874	09/16/03	JP (+ Abstract in English)		
	EQ	2003-326848	11/19/03	JP (+ Abstract in English)		
	ER	2004-20822	01/22/04	JP (+ Abstract in English)		
	ES	2004-30891	01/29/04	JP (+ Abstract in English)		
	ET	2004-39177	02/05/04	JP (+ Abstract in English)		
	EU	2004-87073	03/18/04	JP (+ Abstract in English)		
	EV	2004-111004	04/08/04	JP (+ Abstract in English)		
	EW	2004-158134	06/03/04	JP (+ Abstract in English)		

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).